

Senate File 2349 - Reprinted

SENATE FILE 2349
BY COMMITTEE ON COMMERCE

(SUCCESSOR TO SSB 3182)

(As Amended and Passed by the Senate March 11, 2020)

A BILL FOR

1 An Act relating to the office of the chief information officer,
2 including procurement preferences and a report detailing
3 state information technology assets.
4 BE IT ENACTED BY THE GENERAL ASSEMBLY OF THE STATE OF IOWA:

1 Section 1. Section 8B.1, Code 2020, is amended by adding the
2 following new subsection:

3 NEW SUBSECTION. 2A. "*Cloud computing*" means the same as
4 defined in the United States national institute of standards
5 and technology's special publication 800-145.

6 Sec. 2. Section 8B.9, subsection 6, Code 2020, is amended
7 to read as follows:

8 6. Beginning October 1, 2019, a quarterly report regarding
9 the status of technology upgrades or enhancements for state
10 agencies, submitted to the general assembly and to the
11 chairpersons and ranking members of the senate and house
12 committees on appropriations. The quarterly report shall
13 also include a listing of state agencies coordinating or
14 working with the office, and a listing of state agencies not
15 coordinating or working with the office, and the information
16 required by section 8B.24, subsection 5A, paragraph "b".

17 Sec. 3. Section 8B.24, Code 2020, is amended by adding the
18 following new subsection:

19 NEW SUBSECTION. 5A. a. The office shall, when feasible,
20 procure from providers that meet or exceed applicable state
21 and federal laws, regulations, and standards for information
22 technology, third-party cloud computing solutions and other
23 information technology and related services that are not hosted
24 on premises by the state.

25 b. If the office determines it is not feasible to procure
26 third-party cloud computing solutions or other information
27 technology and related services pursuant to paragraph "a", and
28 if on-premises technology upgrades or new applications to be
29 housed on-premises are proposed, the office shall include all
30 of the following in the report required pursuant to section
31 8B.9, subsection 6:

32 (1) An explanation as to why a cloud computing deployment
33 was not feasible.

34 (2) Whether the application can be deployed using a hybrid
35 or containerized approach to minimize on-premise costs.

1 (3) Compliance frameworks that require the application to
2 be hosted on-premises.

3 c. The office shall contract with multiple third-party
4 commercial cloud computing service providers.

5 d. The control and ownership of state data stored with cloud
6 computing service providers shall remain with the state. The
7 office shall ensure the portability of state data stored with
8 cloud computing service providers.

9 Sec. 4. Section 8B.24, subsection 6, Code 2020, is amended
10 to read as follows:

11 6. The office shall adopt rules pursuant to [chapter 17A](#) to
12 implement the procurement methods and procedures provided for
13 in subsections 2 through 5 [5A](#).

14 Sec. 5. INVENTORY OF INFORMATION TECHNOLOGY ASSETS, CURRENT
15 CLOUD COMPUTING ADOPTION, AND CLOUD COMPUTING MIGRATION PLAN
16 — REPORT. By November 1, 2020, the office of the chief
17 information officer, in collaboration with other state agencies
18 and departments, shall provide a report to the general assembly
19 that includes all of the following:

20 1. An inventory of all state information technology
21 applications, and the percentage of the information technology
22 applications that are cloud-based applications.

23 2. Recommendations regarding state information technology
24 applications that should migrate to cloud-based applications.
25 Each such recommendation shall include a description of
26 workloads and information technology applications that are best
27 suited to migrate to cloud-based applications given all of the
28 following considerations:

29 a. Whether the information technology application has
30 underlying storage, networks, or infrastructure that supports
31 another information technology application, and whether the
32 information technology application is supported by another
33 information technology application.

34 b. How critical the information technology application is
35 to the mission of the state agency or department.

1 c. The difficulty of migrating the information technology
2 application to a cloud-based application.

3 d. The total cost of ownership of the target environment in
4 which the information technology application shall operate if
5 migrated to a cloud-based application.